

FIG. 1

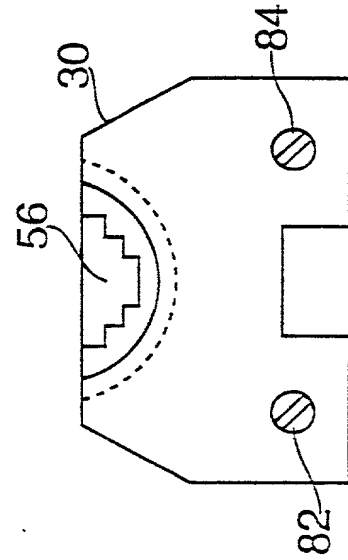


FIG. 7B

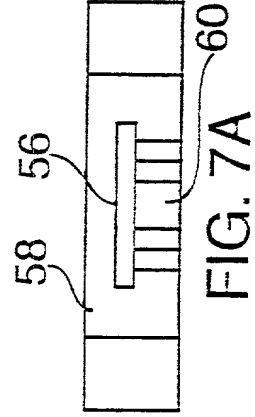


FIG. 7A

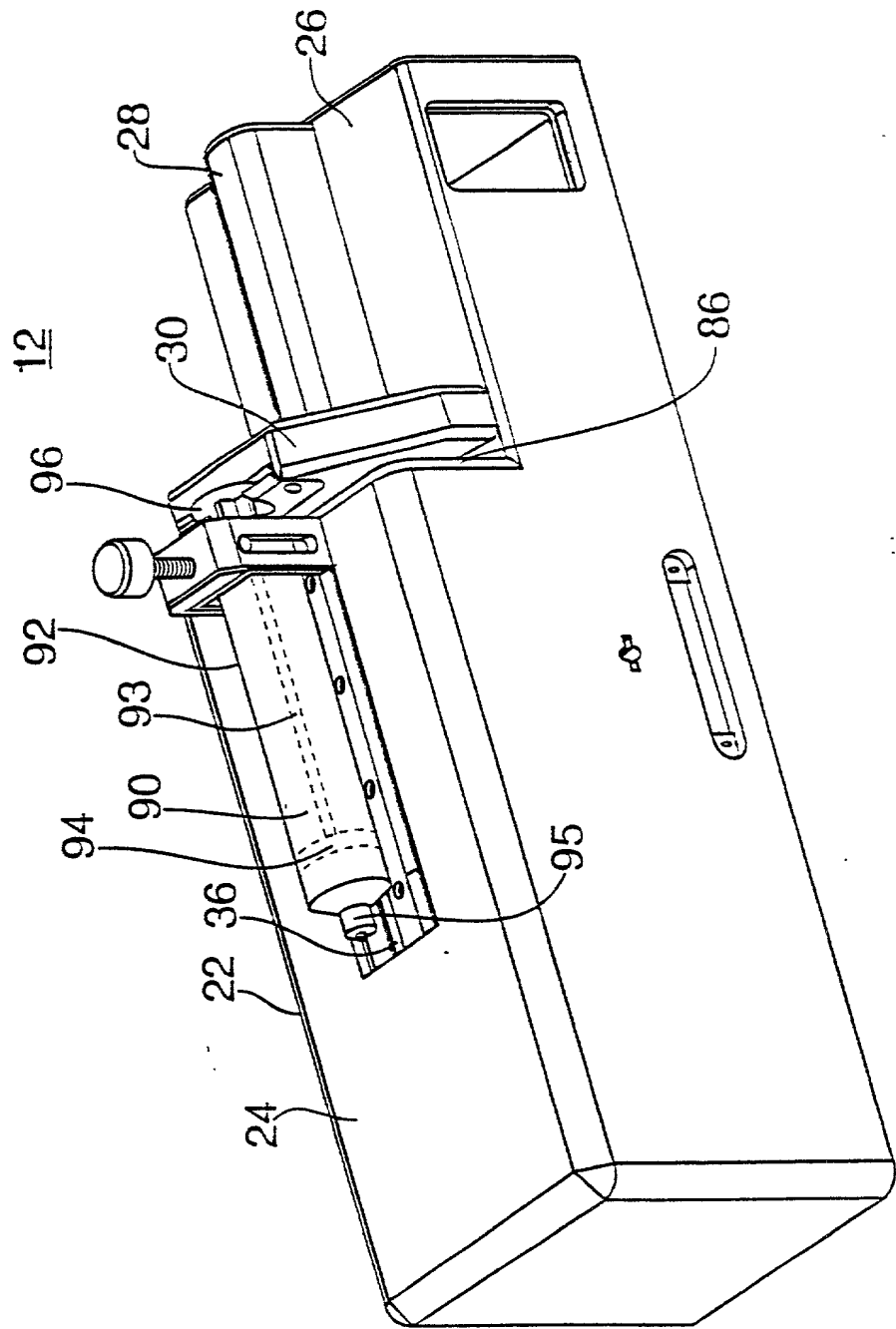


FIG. 2

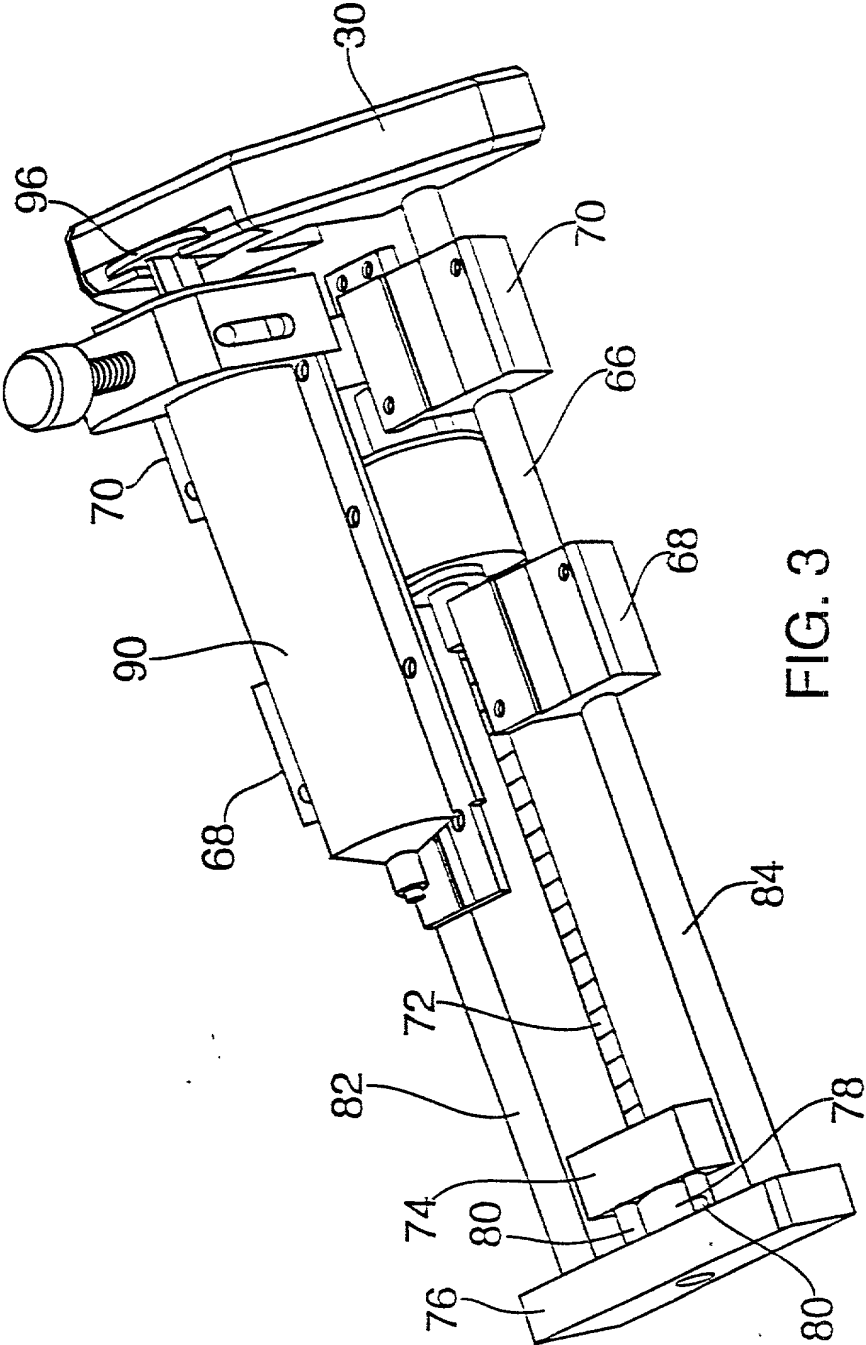


FIG. 3

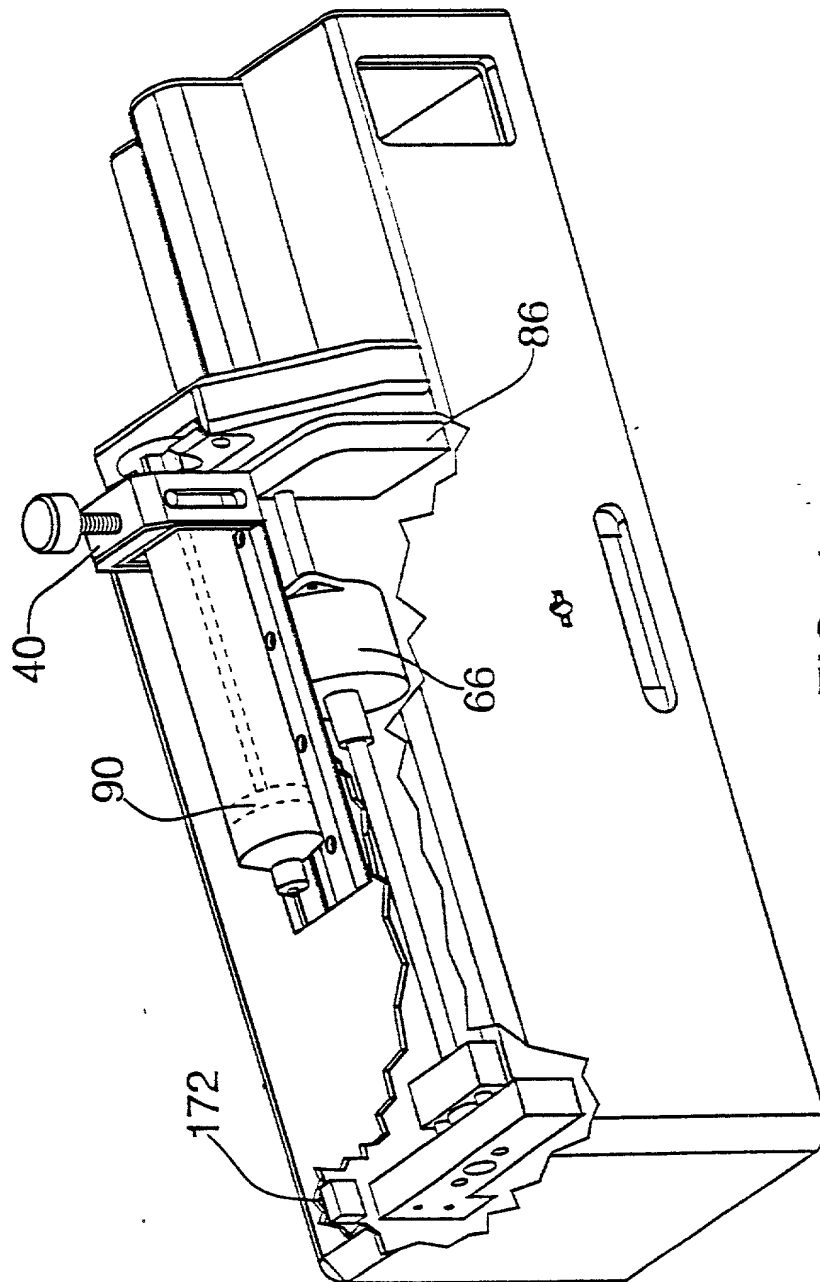


FIG. 4

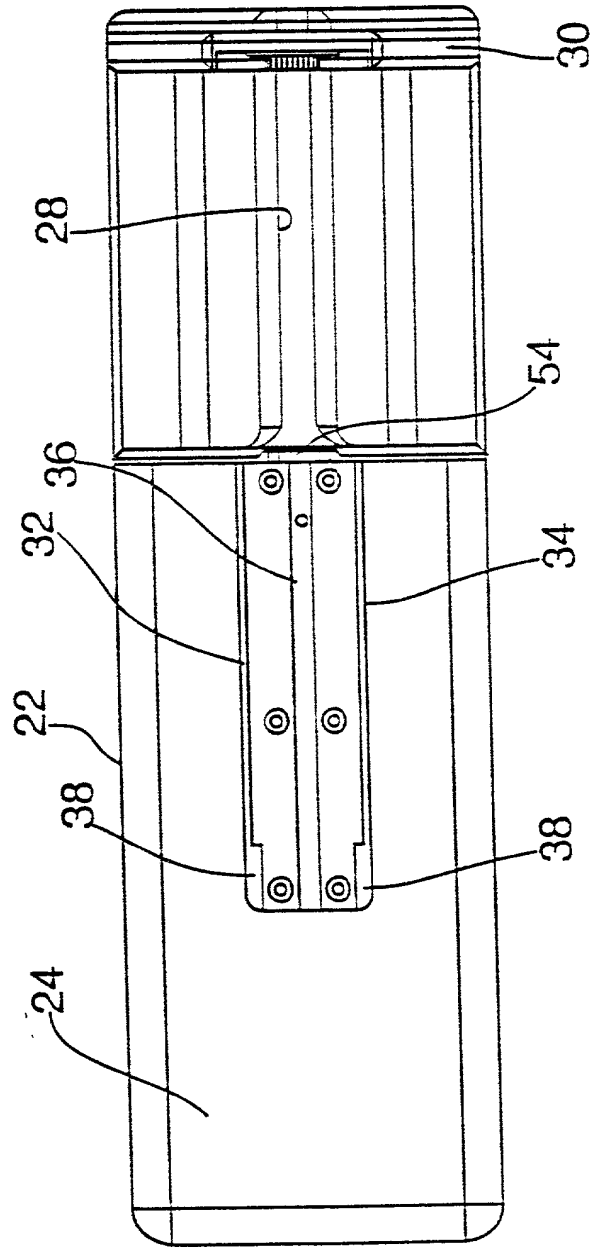


FIG. 5A

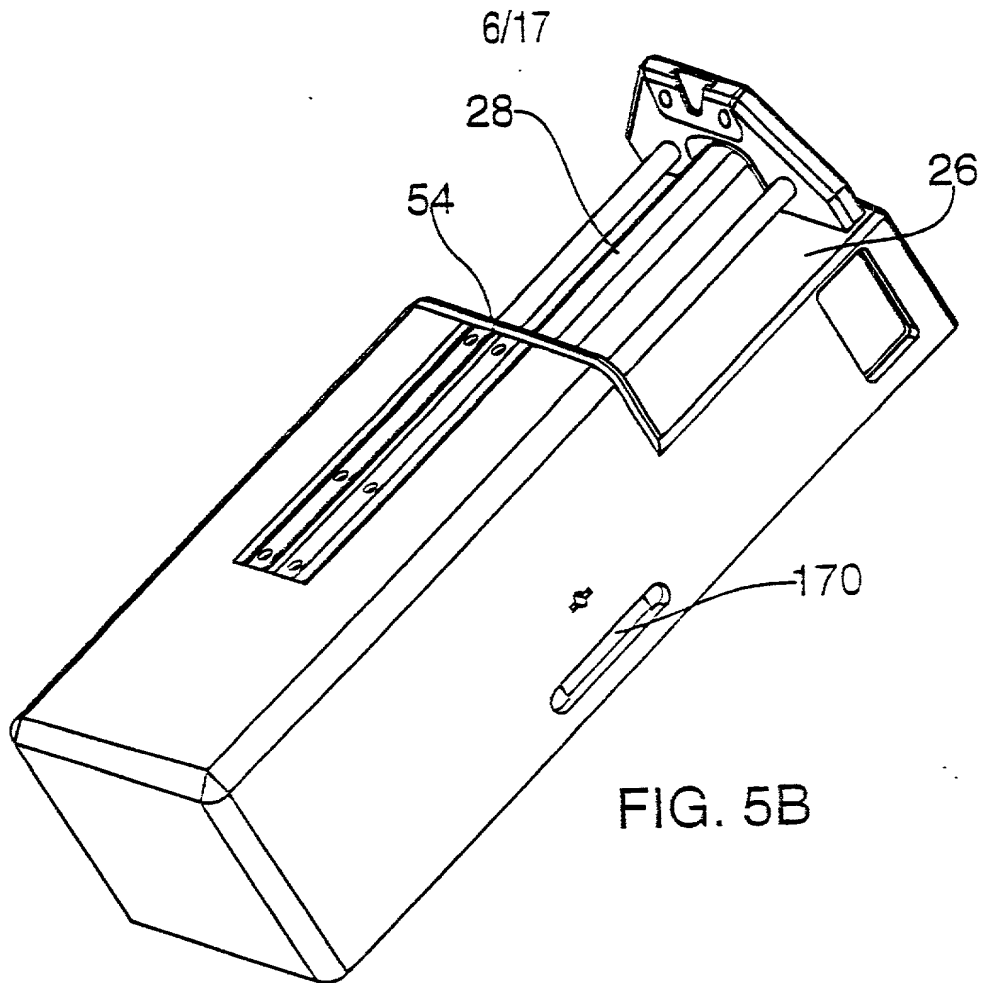


FIG. 5B

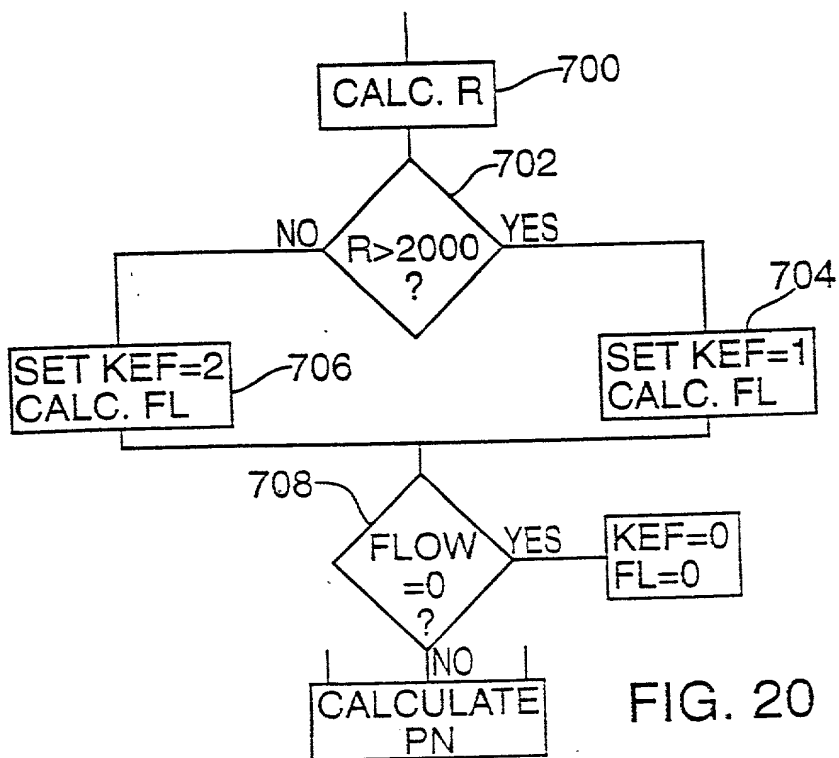


FIG. 20

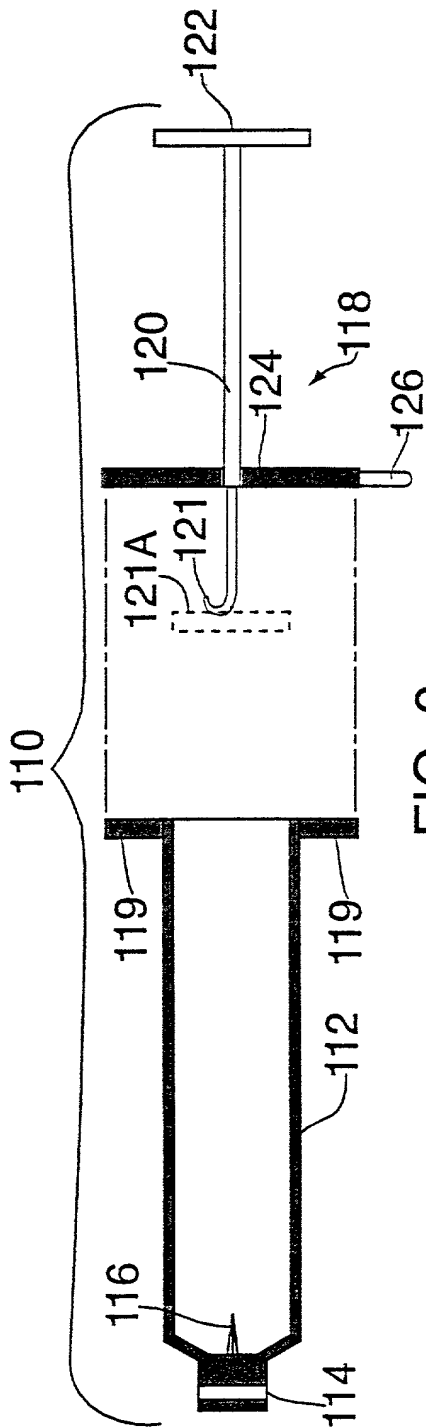


FIG. 9

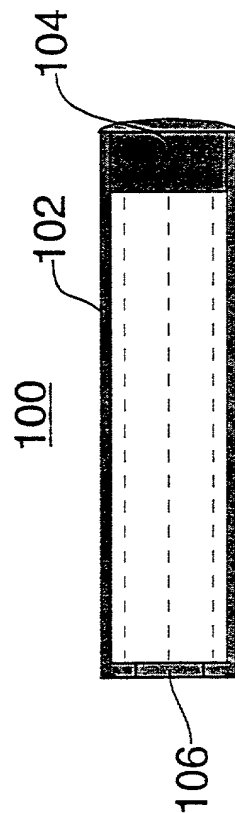


FIG. 8
(PRIOR ART)

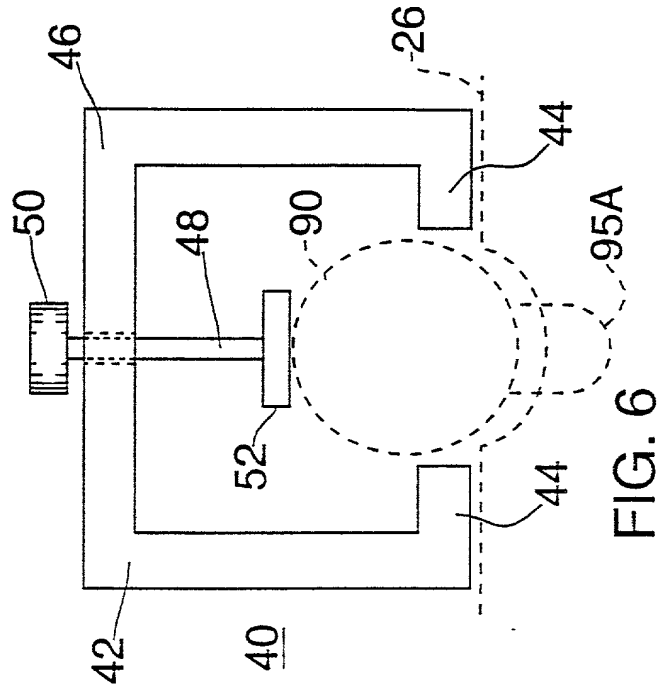


FIG. 6

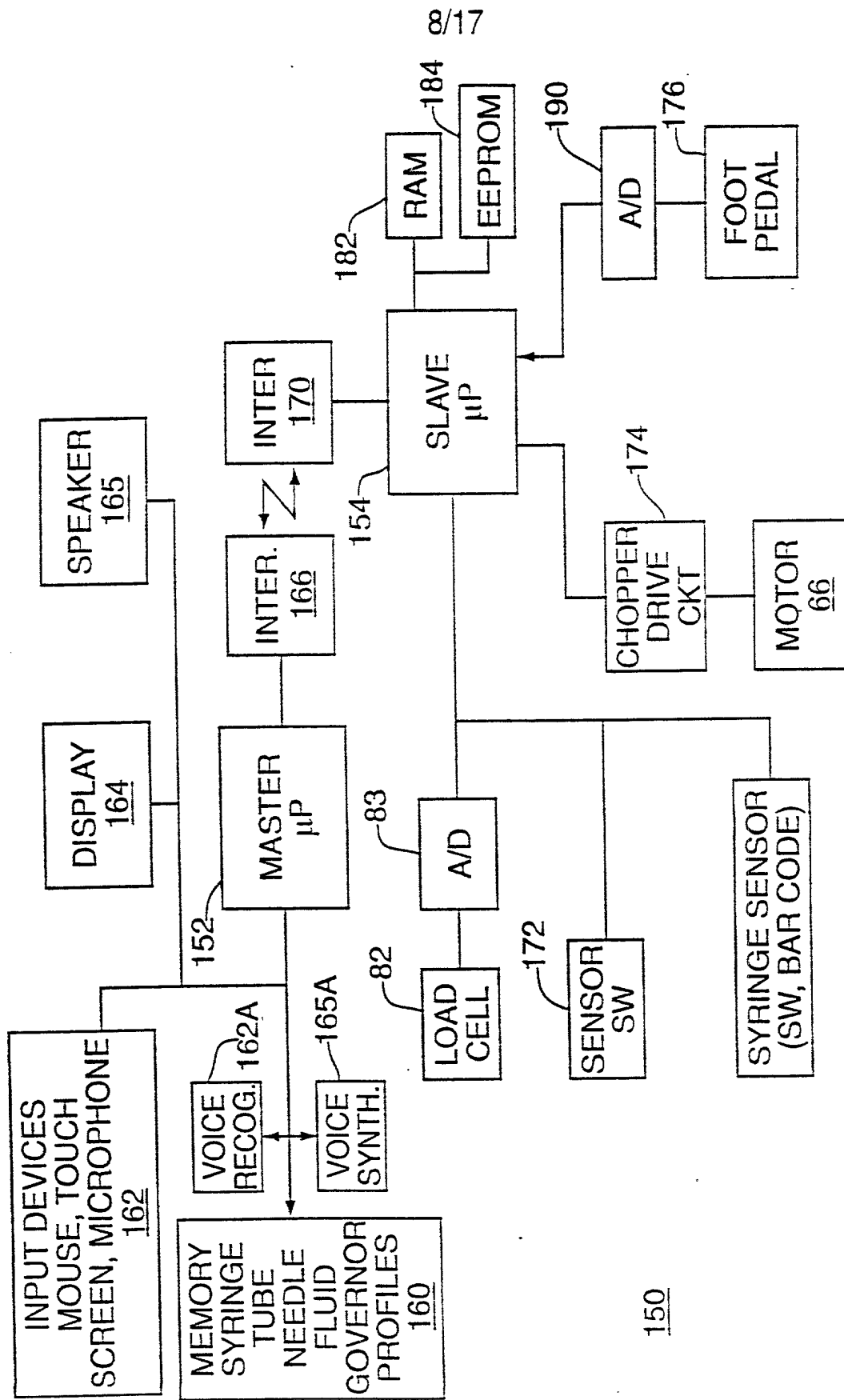


FIG. 10

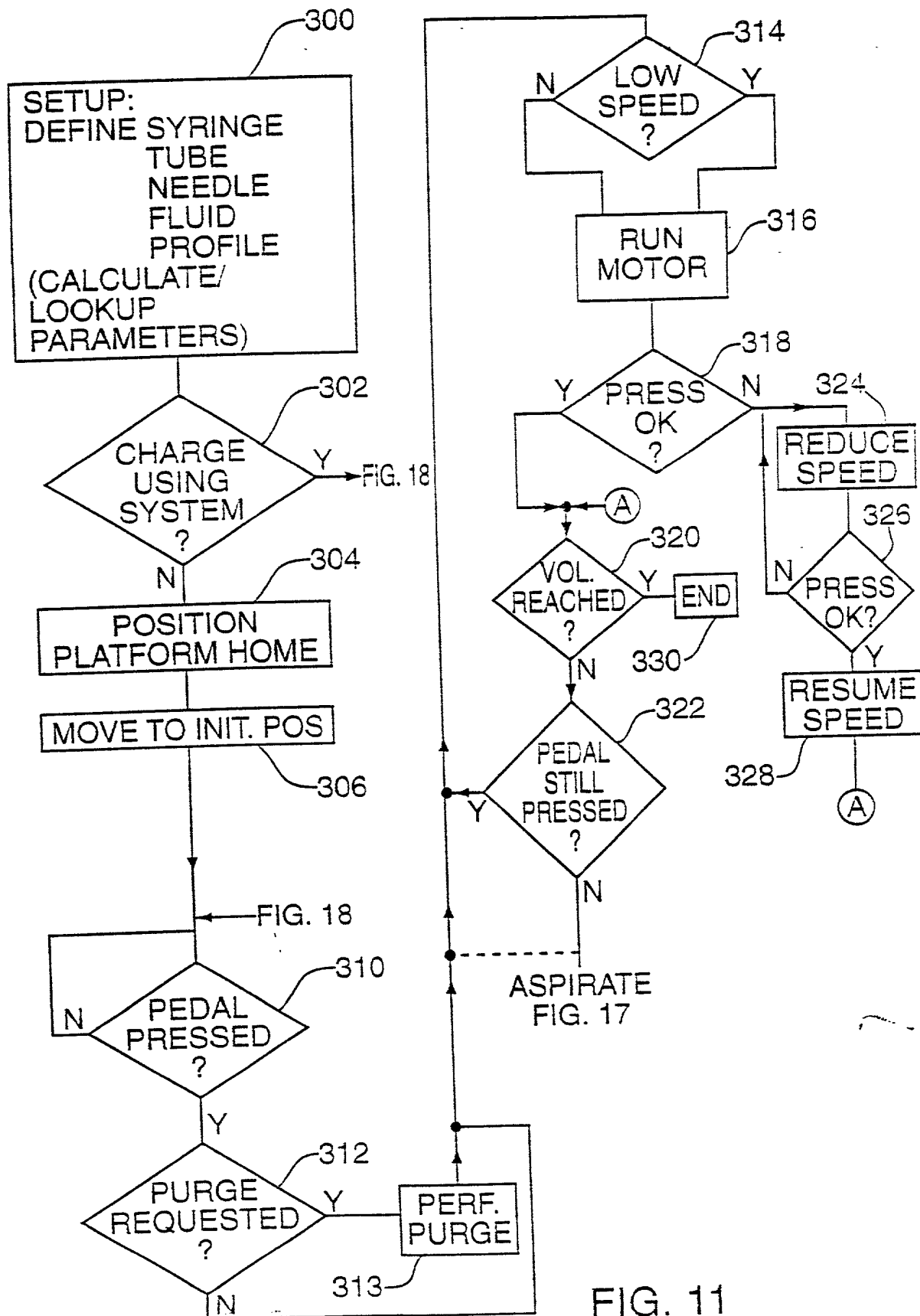


FIG. 11

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Milestone Database Setup

Syringe

Type	Stroke Length	Syringe Force	Nominal Volume (CC)	Full Point
1102CC	19	0.5	18	1
103CC	2	0.33	3	2.53
105CC	1.75	1	5	2.8
10CC	2.4	1.3	10	2.17
120CC	2.76	1.8	20	1.65

Needle

Type	Gage	Diameter	Length
1BD-305128	30	0.006	1
1BD-305136	27	0.02	1.25
1DB-33333			
1DD-1234			
1asofsfact	23	23	23

Fluid

Type	Viscosity	Specific Weight
1X100v	000301	0.0002
1Body Fluid	1	2
1Asosad	1	5

Tube

Type	Diameter	Length
11Condore	0.673	0.999
1Tube#1	0.015	54
1Tube#2	0.015	66

Machine Constants

Force	Travel	Max Force	Zero Adjust	Throttle Back	Scale Factor	Tare	Pedal Zero	Low End	Low Start	High End	High Start	High Aspirate
1	0.5	4.5	40	2	0.75	27	0					

Machine Profile Setup Screen
Set Values for Components of Delivery System
Setup Variable for Machine

FIG. 12A

Milestone Scientific (Profile Setup)

File Edit Search Run

VOLUME

-General-

Test Profile Name

Last Date Modified

Last Time Modified

-System Sizes-

Syringe	Nominal Volume <input type="text" value="60CC"/>	Stroke Length <input type="text" value="4.25 in."/>	Syringe Force <input type="text" value="2.75 in."/>	Full Point <input type="text" value="0.2 in."/>
Needle	Gage Length <input type="text" value="BD30S136"/>	Diameter <input type="text" value="2/125 in."/>		
Tube	Tube#1 <input type="text" value="1"/>	Length <input type="text" value="54 in."/>	Diameter <input type="text" value="0.015 in."/>	
Fluid	Body <input type="text" value="1"/>	Viscosity <input type="text" value=".00001"/>	Specific Weight <input type="text" value="0.0002"/>	slugs/cubic inch

-Values-

Control ☐ Tested

Type

Low Flow

High Flow

Pressure Limit

Additional Charge Flow

Indicator

Aspirate Volume

Flow

Dwell

Purge Volume

Flow

-Specifics-

Volume

☐ Charged
☐ Charged w/ Air
☐ Charged w/o Air

☐ Aspirate
☐ No Aspirate

-Calculations-

Needle Volume

Tube Volume

System Volume

Volume/Step (00025 in.)

Max Pressure (Low Flow)

Max Pressure (High Flow)

Max Flow

Physiologic Source

FIG. 12B

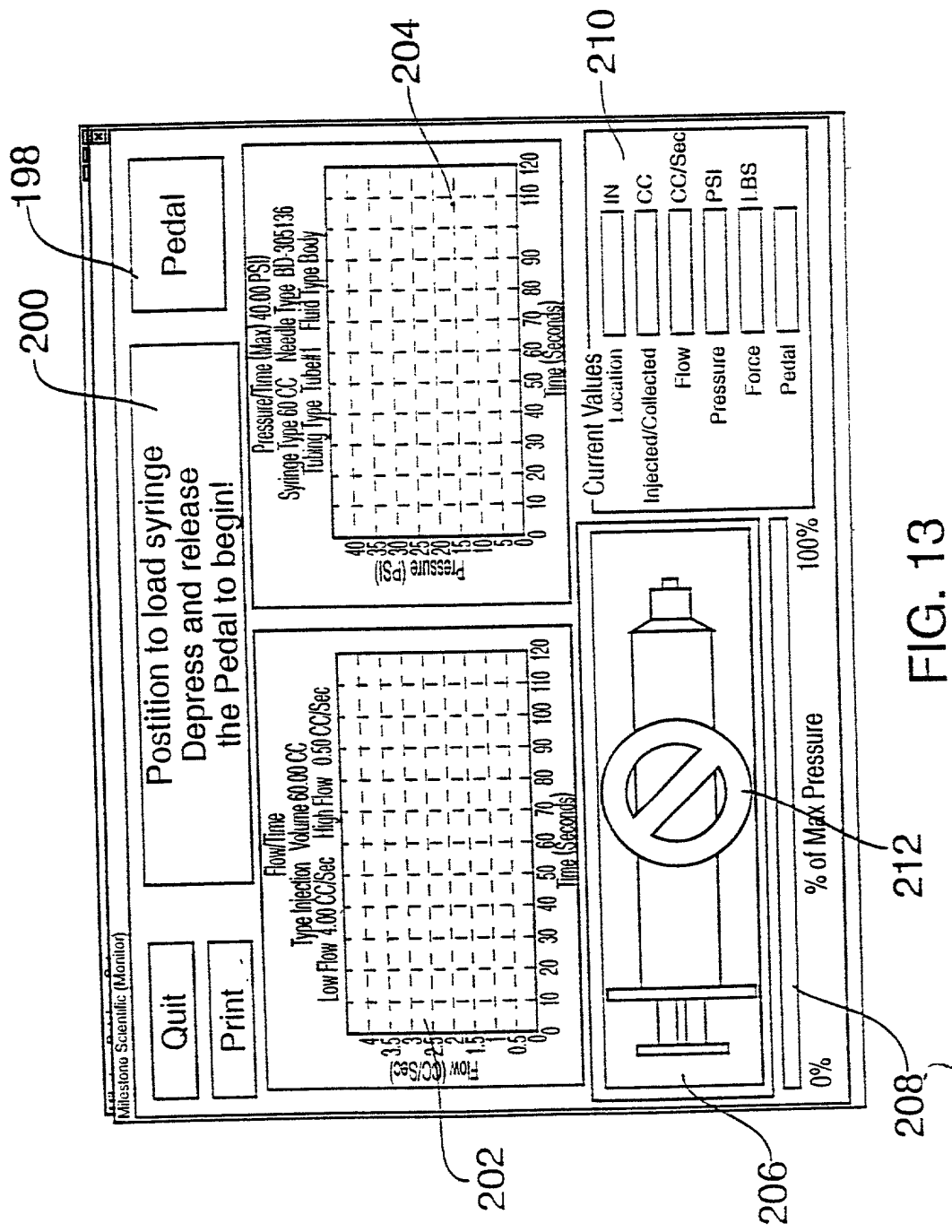


FIG. 13

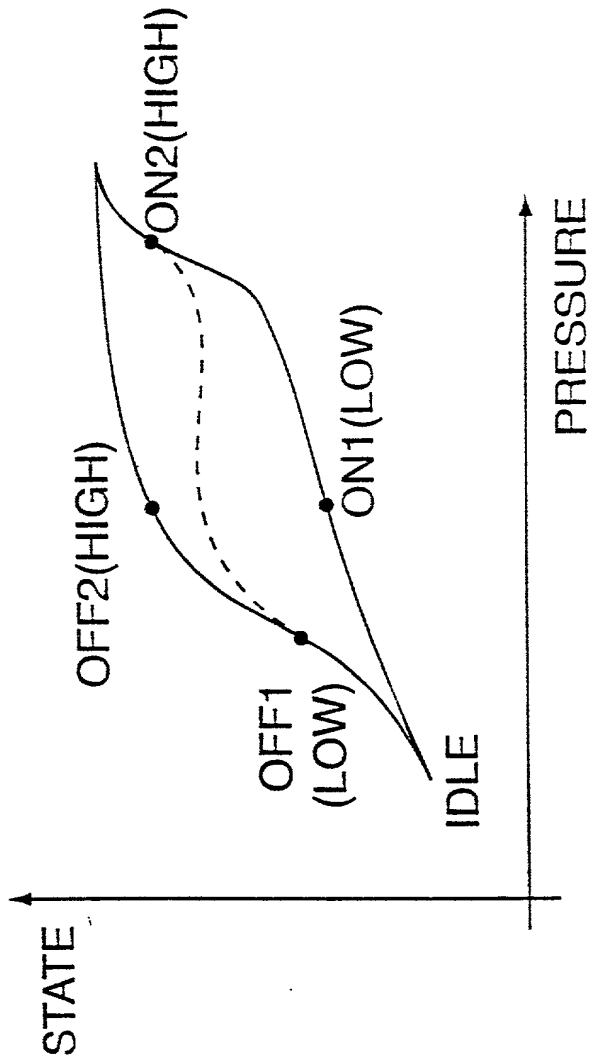


FIG. 14

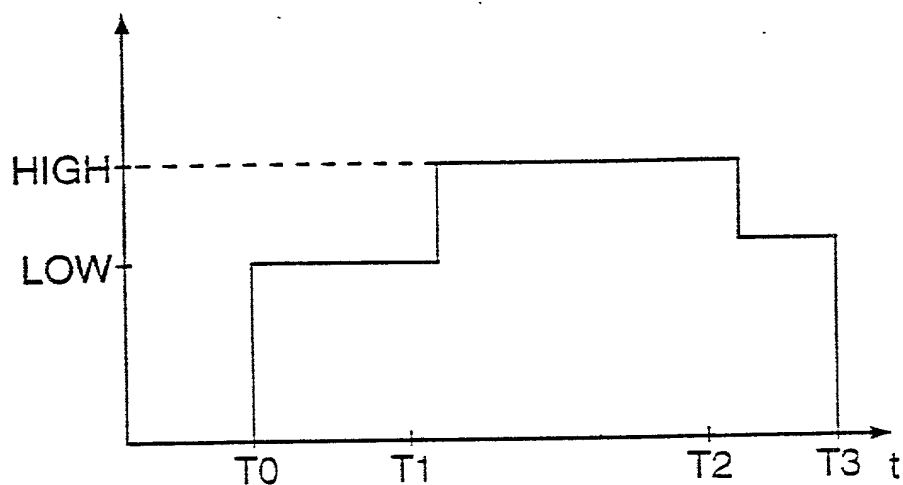


FIG. 15A

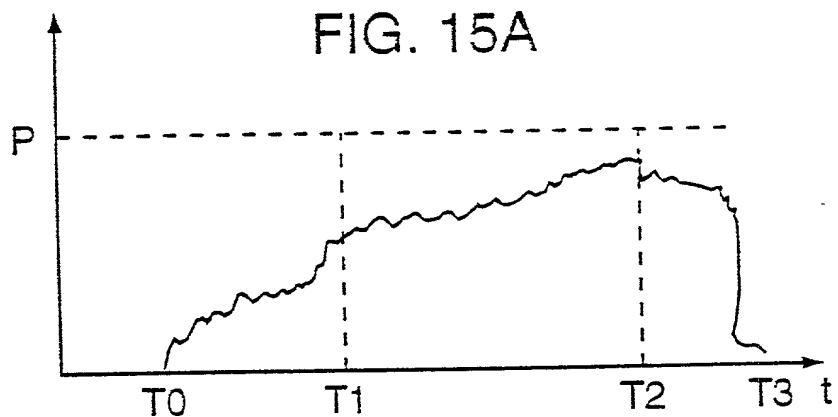


FIG. 15B

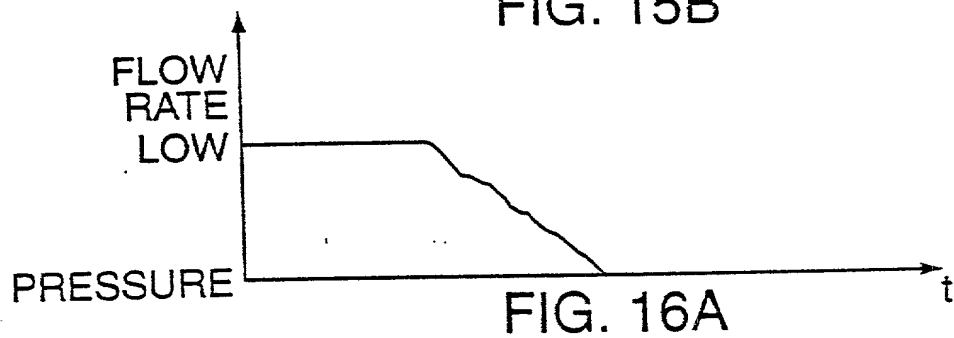


FIG. 16A

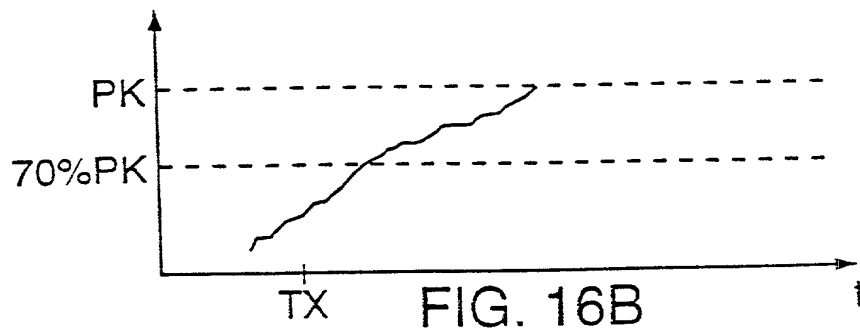


FIG. 16B

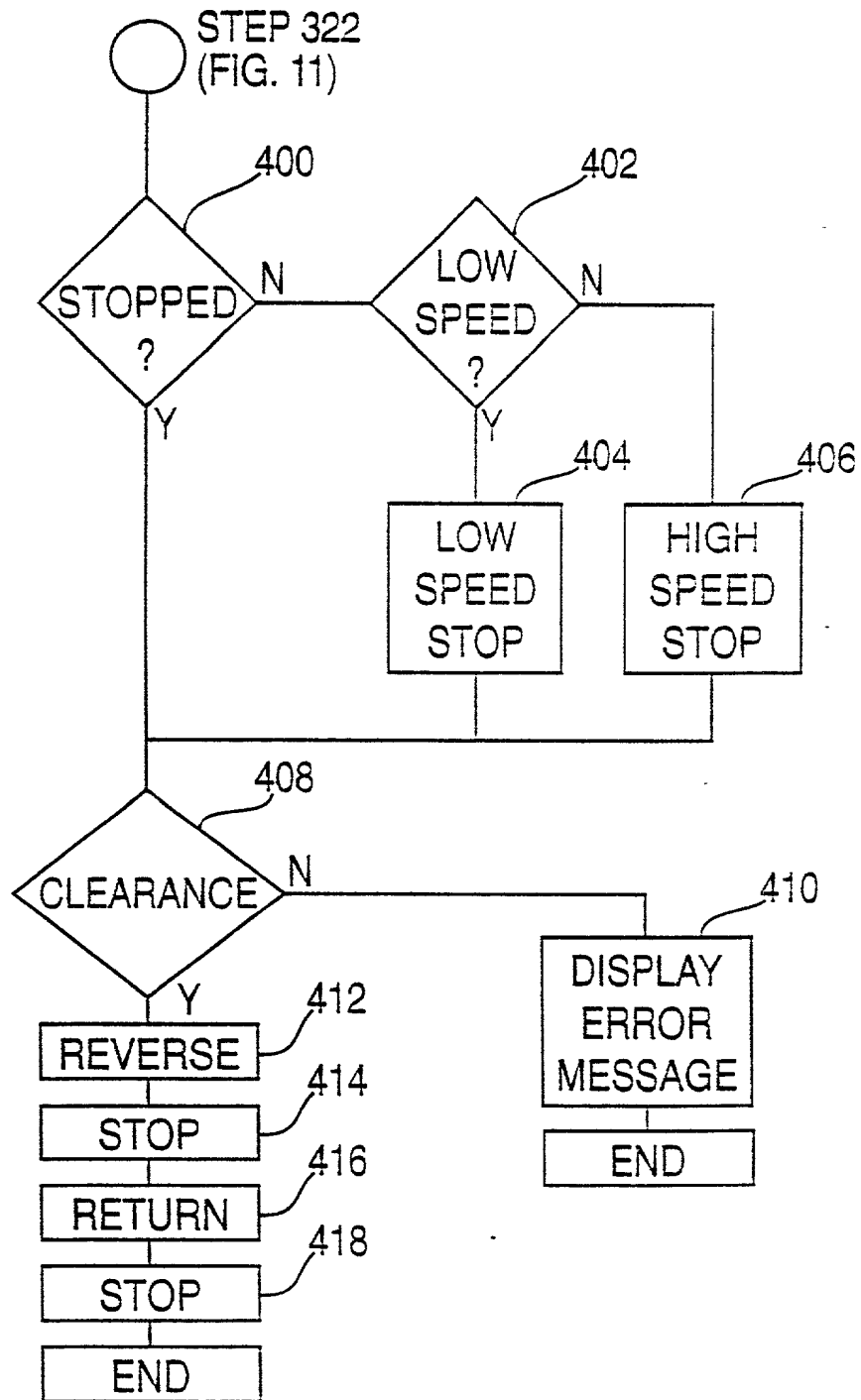


FIG. 17

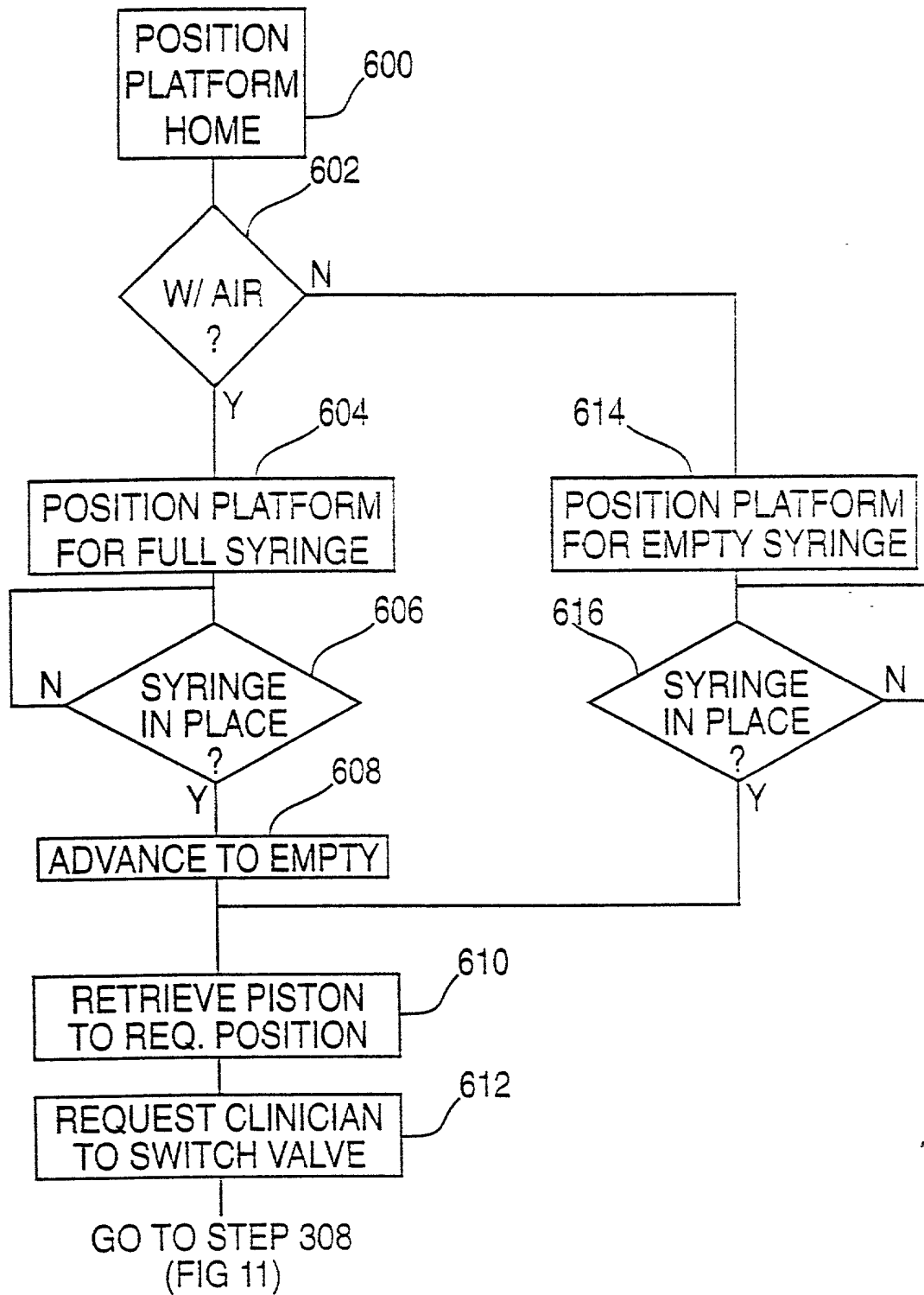


FIG. 18

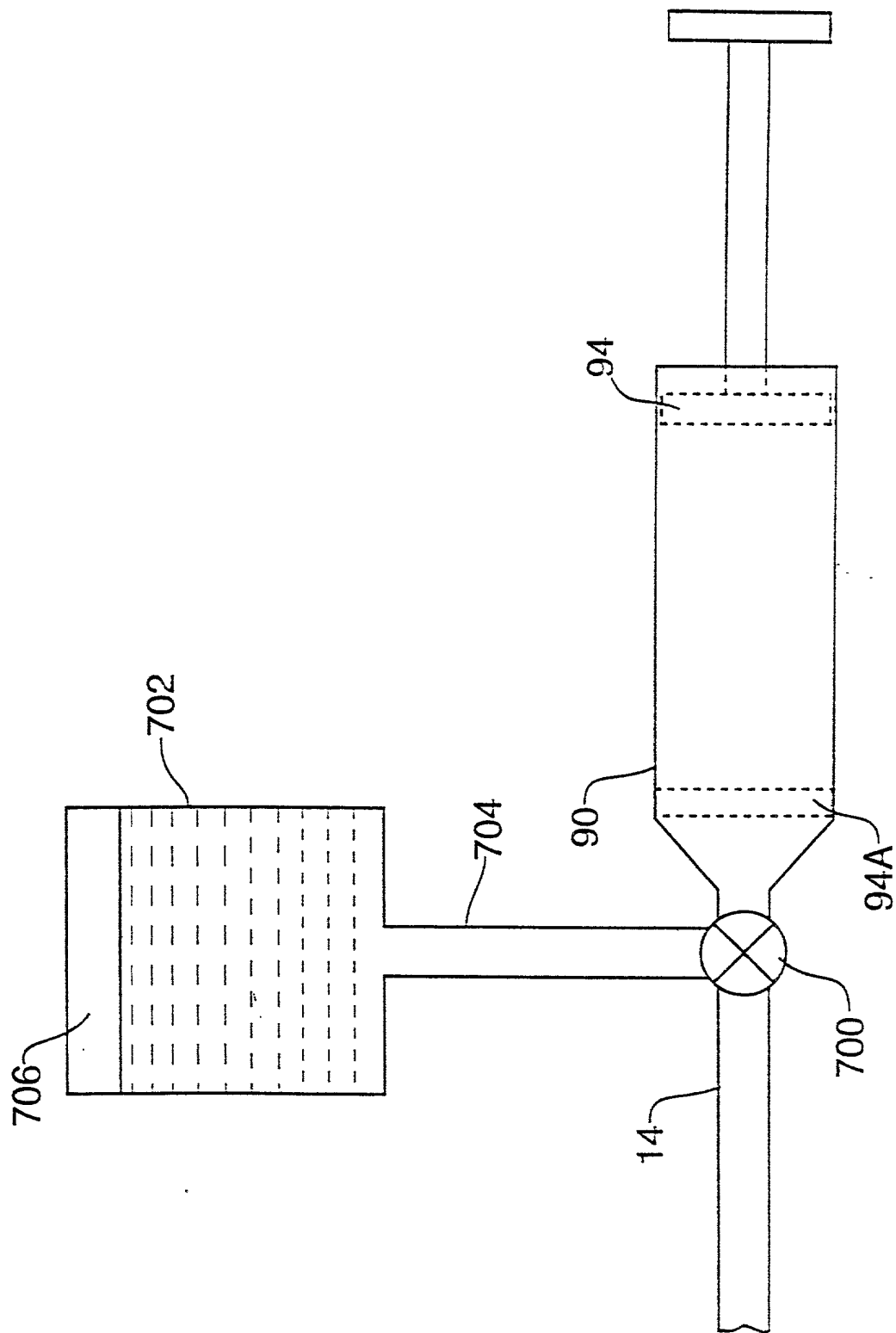


FIG. 19